

Title (en)
IMPROVED CASING DETECTION TOOLS AND METHODS

Title (de)
VERBESSERTE BOHRROHRDETEKTIONSWERKZEUGE UND VERFAHREN

Title (fr)
OUTILS ET PROCÉDÉS DE DÉTECTION AMÉLIORÉE DE BOÎTIER

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Abstract (en)
[origin: WO2013025222A2] Methods and tools for detecting casing position downhole is presented. The method utilizes electromagnetic (EM) tools with tilted antenna systems to detect casing position. Sometimes tilted antenna designs also increase EM tools' sensitivity to formation parameters, which can lead to false signals for casing detection. In addition, it is very difficult to distinguish measured signals between a casing source and a formation source. The methods presented help to distinguish between the two sources more clearly. The methods and tools presented also help to minimize those environmental effects, as well as enhance the signals from a surrounding conductive casing. The methods herein provide ideas of EM tool's design to precisely determine casing position within a certain distance to casing position.

IPC 8 full level
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